

FIG. 1

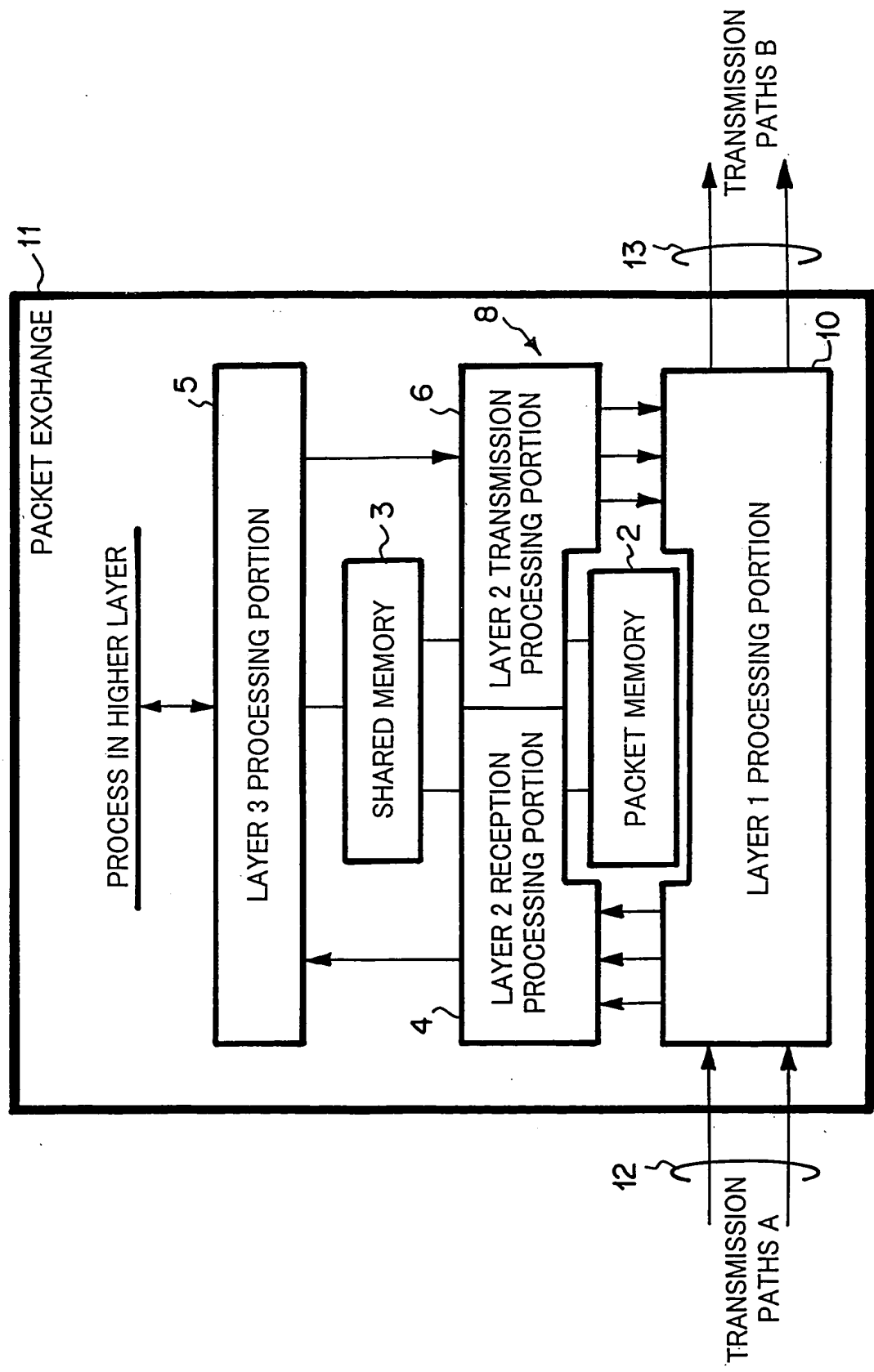
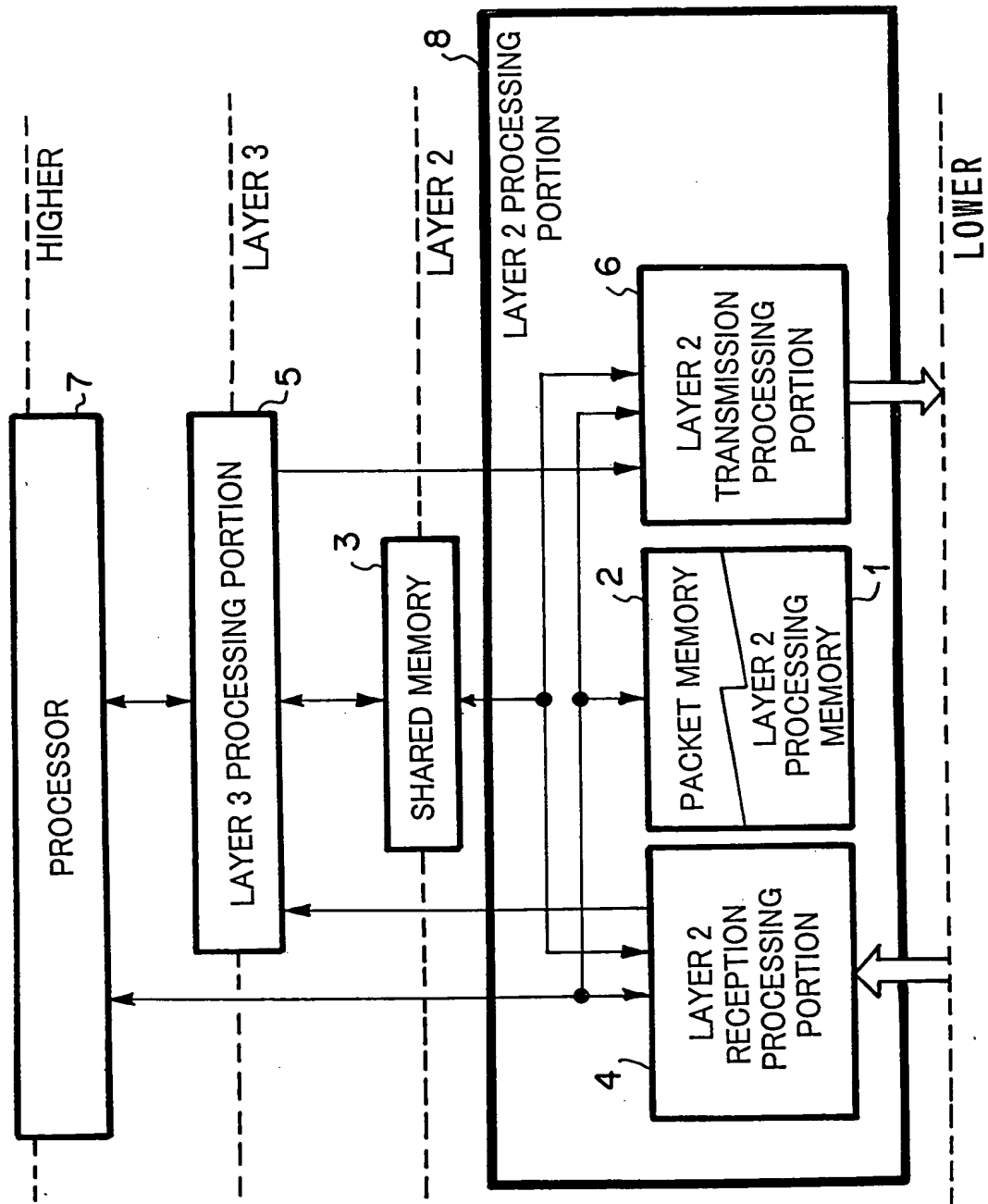


FIG. 2



Approved for Release

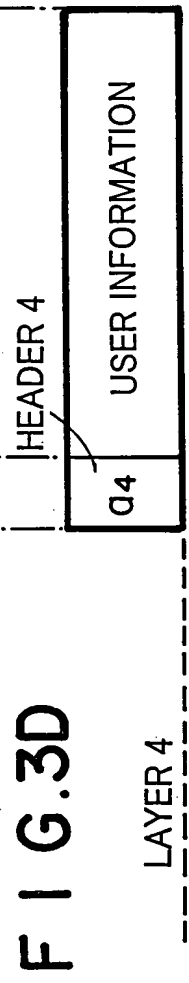
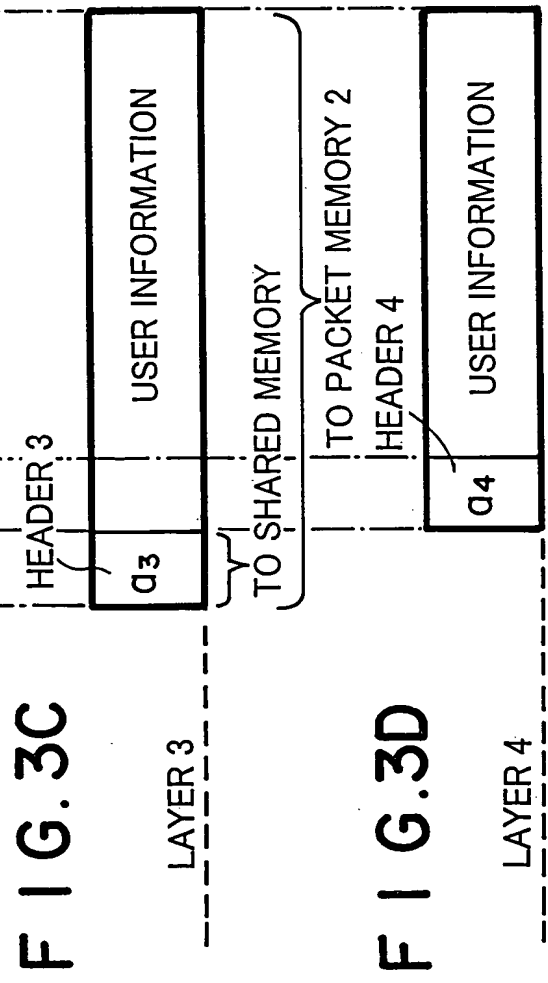
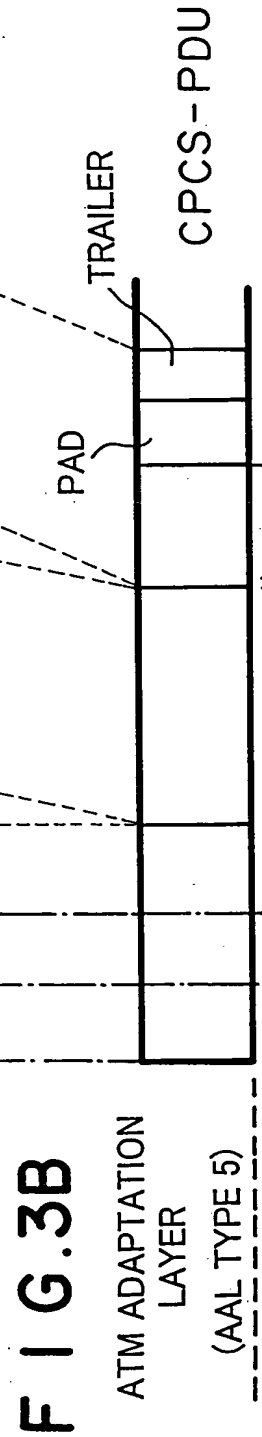
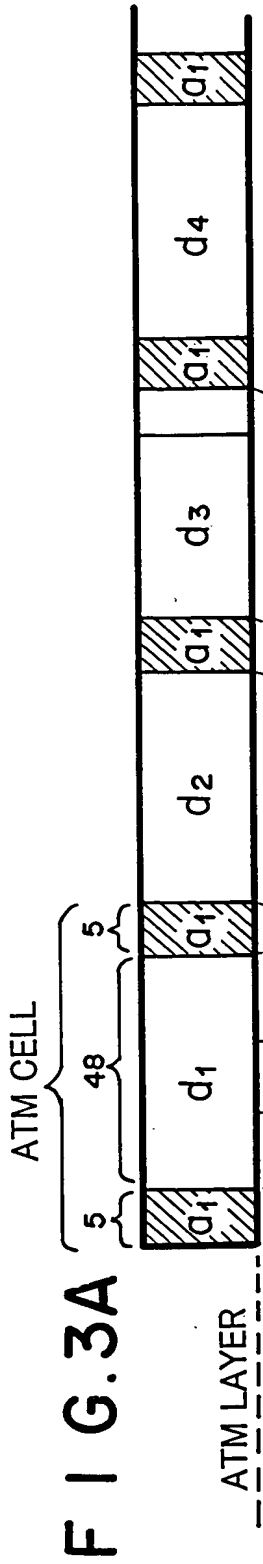
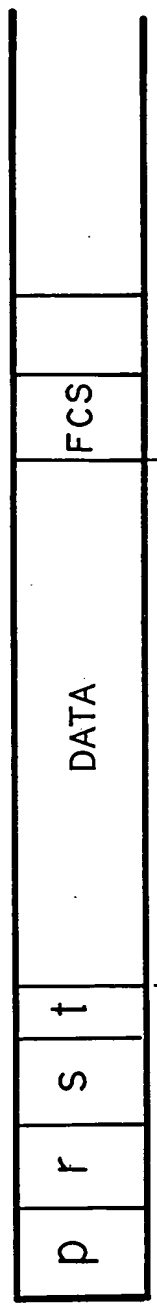


FIG. 4A

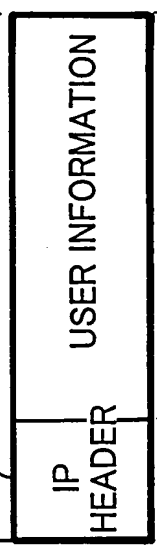
HEADER PORTION 2



ETHERNET FRAME

FIG. 4B

HEADER PORTION 3



LAYER 3, IP PACKET

TO PACKET MEMORY 2

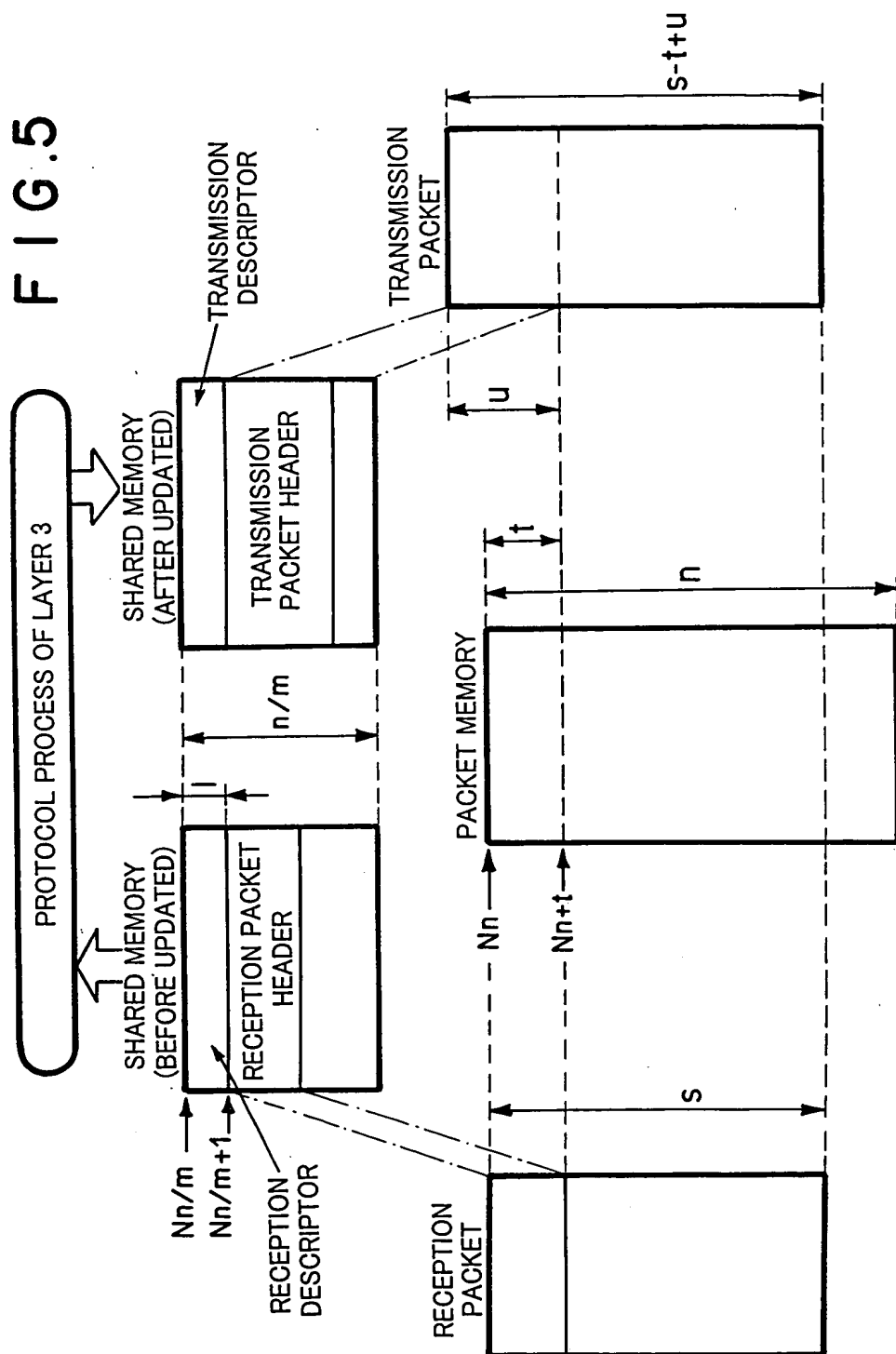
FIG. 4C

HEADER PORTION 4



HIGHER LAYER

5-6-7



Length of Reception Packet (Written by Layer 2 Processing Portion to Reception Descriptor)

t: **HEADER LENGTH OF PACKET DELETED FROM RECEPTION PACKET WHEN TRANSFERRED (WRITTEN BY LAYER 3 PROCESSING PORTION TO TRANSMISSION DESCRIPTOR)**

u: HEADER LENGTH NEWLY ADDED WHEN TRANSFERRED (WRITTEN BY LAYER 3 PROCESSING PORTION TO TRANSMISSION DESCRIPTOR)

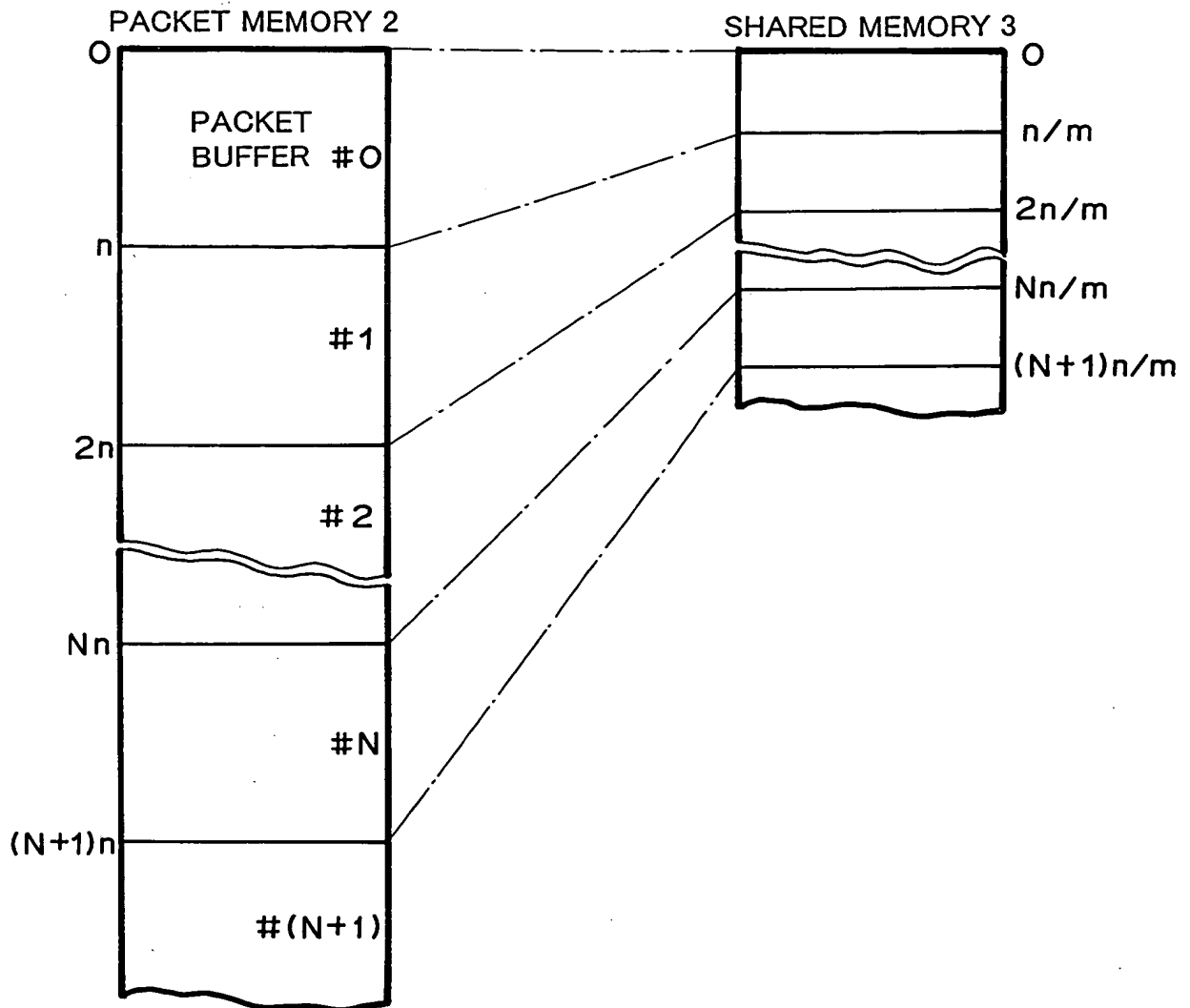
I: SIZE OF DESCRIPTOR

**N: PACKET MEMORY SIZE AND SHARED MEMORY SIZE**

Packet memory size and shared memory size

Nn: START ADDRESS OF MEMORY SPACE OF PACKET MEMORY USED FOR PROCESS OF ONE PACKET

F I G. 6



601113-1-100000

000000-000000

FIG. 7

